
THE GRM ADHESIVE TAPE LIST



EDITOR:

QUALITY ASSOCIATION FOR CLEANING OF FACADES
AND METAL FACADE RENOVATION E.V.

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1. PRELIMINARY REMARK

Professional facade cleaning involves a comprehensive program of duties for the cleaning company. A not insignificant part of this is the selection of the correct cleaning agents and auxiliary material for cleaning. Depending on the facade material and/or the surface treatment, the selection of an unsuitable cleaning or preservation agent can lead to irreparable damage to the facade.

According to the quality and testing regulations RAL-GZ 632, only tested, neutral cleaners with a pH value of 5-8 may be used for anodized and powder-coated components.

However, the chemical cleaning agents or stone cleaners used in quality-assured stone facade cleaning usually have a very acidic or alkaline pH value, which is why adjacent, pH-sensitive components must be protected from the cleaning agents. Otherwise, considerable damage can be caused to these components.

PROFESSIONAL FACADE CLEANING REQUIRES
THE RIGHT CLEANING AGENT.

FOR METAL FACADE CLEANING ONLY NEUTRAL
CLEANER.

DURING STONE CLEANING PROTECTION OF THE
ADJACENT COMPONENTS IS NECESSARY.

2. PURPOSE OF THE ADHESIVE TAPE APPROVAL

In order to be able to guarantee sufficient protection and to ensure that no damage is caused directly to the surface by the adhesive tape, GRM has prescribed an extensive test program to determine the suitability of the adhesive tape especially on anodized and coated surfaces.

The adhesive tapes are bonded to the anodized or coated surface to be protected as part of the suitability test. The taped test specimen are subjected to an immersion test at the beginning of a chemical resistance test and half immersed in the stone cleaner for 30 minutes and then rinsed with tap water for one minute. There are 3 categories of stone cleaners used:

EXTENSIVE TESTING PROGRAMME

IMMERSION TEST WITH 3 CATEGORIES OF STONE
CLEANING AGENT

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- Category 1.1: acidic (pH 0; hydrofluoric acid content 10-20%; hydrochloric acid content 15-30%)
- Category 1.2: acidic (pH 0; hydrofluoric acid content 0-5%; hydrochloric acid content 15-30%)
- Category 2: alkaline (pH 14)

Often, swelling of the adhesive materials is observed during the immersion test, which results in infiltration of the adhesive tape by the aggressive medium and the protective effect is cancelled. If the material combination of the adhesive tape is sufficiently resistant to the cleaning agent, the surface is protected and remains undamaged. A high chemical resistance of the adhesive tape and the associated good adhesive strength can then lead to poor peeling behavior, leaving adhesive residues on the surface. Even when special cleaners are used, residue-free removal from the surface is then not always possible or economically viable. For this reason, the GRM test guidelines require residue-free removal of the adhesive tape after the immersion test, without any changes to the surface to be protected.

NO INFILTRATION OF THE ADHESIVE TAPE

To test the resistance to environmental influences (UV exposure, temperature fluctuations and weathering), anodized and powder-coated aluminum profiles are taped and subjected to a climate change and rapid weathering test under UV exposure according to DIN EN ISO 16474-3. The protective effect of the adhesive tape and film can be objectively verified by colour, gloss and apparent conductivity measurements, among other things.

RESIDUE-FREE RELEASE BEHAVIOUR

SIMULATION OF CLIMATIC CONDITIONS THROUGH
CLIMATE CHANGE AND RAPID WEATHERING TESTS

Further details on the test catalogue can be found in the GRM test guidelines.

The adhesive tape listed by GRM have been tested by an independent and accredited testing institute commissioned by GRM for their suitability in accordance with the RALGZ 632 quality and testing regulations and the test guidelines. This ensures that the adhesive tape in question does not cause any damage when properly applied to the type of façade intended for it and is suitable for developing a sufficient protective effect against strongly alkaline and acidic cleaners.

NO DAMAGE FROM ADHESIVE TAPE AND
SUFFICIENT PROTECTION AGAINST ALKALINE AND
ACIDIC CLEANERS

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3. EXPLANATION OF THE TAPE LIST

The approvals in the following list of adhesive tapes are valid for three years. Before the end of this period or if the formulation of the adhesive tape changes, they must be subjected to a further surveillance test. After a successful surveillance test, the tested agents are listed again for three years.

The adhesive tape list is constantly updated by the quality association for cleaning facades and metal façade renovation e.V. and published in the download area of the GRM (www.grm-online.de)

Users are advised to always use the currently valid list.

ADMISSION PERIOD 3 YEARS

CONSTANT UPDATING OF THE GRM TAPE LIST

4. CHOOSING THE RIGHT TAPE

The correct choice of adhesive tape first requires determining the type of surface treatment (anodized or coated) of the facade component to be protected. The selection of an adhesive tape is then based on the intended cleaning agent (acidic or alkaline) and the existing type of surface treatment. It is important to ensure that the adhesive tape is approved for the type of facade and the cleaning agent to be used.

The products listed below have been tested by an independent testing institute for compliance with the test specifications of the GRM test guidelines (see point 2). The listed products have fully met the test specifications in the laboratory tests. GRM accepts no liability for damage caused using a listed adhesive tape. The user is responsible for ensuring that the product is suitable for the intended use.

HOW TO MAKE A PROPER ADHESIVE TAPE SELECTION?

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5. APPROVED ADHESIVE TAPES

MANUFACTURER	PRODUCT	Category 1.1	Category 1.2	Category 2	APPROVAL- NUMBER	APPROVED TO
ILKA Chemie GmbH	ILKA-MASKING-TAPE	B			K001	31.12.2025
ILKA Chemie GmbH	ILKA-MASKING-TAPE		B		K002	31.12.2025
ILKA Chemie GmbH	ILKA-MASKING-TAPE			B	K003	31.12.2025
ILKA Chemie GmbH	ILKA-MASKING-TAPE	A			K004	31.12.2025
ILKA Chemie GmbH	ILKA-MASKING-TAPE		A		K005	31.12.2025
ILKA Chemie GmbH	ILKA-MASKING-TAPE			A	K006	31.12.2025
GIMA GmbH & Co. KG	GIPSO-TAPE	B			K008	31.12.2025
GIMA GmbH & Co. KG	GIPSO-TAPE		B		K009	31.12.2025
GIMA GmbH & Co. KG	GIPSO-TAPE			B	K010	31.12.2025

SEITE 7	category 1.1: acidic (pH 0; Hydrofluoric acid content 10-20%; Hydrochloric acid content 15-30%) category 1.2: acidic (pH 0; Hydrofluoric acid content 0-5%; Hydrochloric acid content 15-30%) category 2: alkaline (pH 14)	A = for anodized aluminum surfaces B = for coated metal surfaces M = for metallic effect coated surfaces
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MANUFACTURER	PRODUCT	Category 1.1	Category 1.2	Category 2	APPROVAL- NUMBER	APPROVED TO
GIMA GmbH & Co. KG	GIPSO-TAPE	A			K011	31.12.2025
GIMA GmbH & Co. KG	GIPSO-TAPE		A		K012	31.12.2025
GIMA GmbH & Co. KG	GIPSO-TAPE			A	K013	31.12.2025

SEITE 8	category 1.1: acidic (pH 0; Hydrofluoric acid content 10-20%; Hydrochloric acid content 15-30%) category 1.2: acidic (pH 0; Hydrofluoric acid content 0-5%; Hydrochloric acid content 15-30%) category 2: alkaline (pH 14)	A = for anodized aluminum surfaces B = for coated metal surfaces M = for metallic effect coated surfaces
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